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File: JPAB

Oct 24, 1995

PUB-NO: JP407276629A

DOCUMENT-IDENTIFIER: JP 07276629 A

TITLE: HYDROPHILICITY TREATMENT METHOD AND DEVICE FOR INK JET RECORDING HEAD

PUBN-DATE: October 24, 1995

INVENTOR-INFORMATION:

NAME

COUNTRY

HORIGUCHI, MICHICO

ASSIGNEE-INFORMATION:

NAME

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FUJI ELECTRIC CO LTD

APPL-NO: JP06072977

APPL-DATE: April 12, 1994

INT-CL (IPC): B41 J 2/045; B41 J 2/055; B41 J 2/16

ABSTRACT:

PURPOSE: To provide a wet type hydrophilicity treatment method by which the inner part of an ink channel of a plastic ink jet container can be made hydrophilic and the perimeter of a jet/nozzle water-repellent.

CONSTITUTION: This hydrophilicity treatment device has an ozone generator 21 which supplies an ozone gas 30 of a certain concentration to an ink reservoir 7 of an ink jet container 10, an ozone capturing collector 22 which houses the ink jet container and captures and collects an ozone discharged from multiple ink channels 1, and an activated carbon tank 23 which is connected with the discharge side of the ozone capturing collector, and a hydrophilicity treatment is executed by running an ozone of a certain concentration to multiple ink channels 1 through the ink reservoir 7 of the ink jet container 10 made of a plastic molding.

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